

## ABSTRACT

1 A method for promoting temporal resolution of sequential images is to firstly  
2 choose a first visual frame and split it into a plurality of visual blocks according to  
3 a predetermined value, then choose a second visual frame. The method then goes  
4 to search the second visual frame for mostly resembling respective visual blocks  
5 corresponding to every visual block in the first visual frame and estimate the vector  
6 displacement of respective corresponding visual blocks of the visual frames.  
7 Further, it goes to rebuild a visual frame, estimate the respective pixel values of  
8 respective corresponding visual blocks of the visual frames at a time point,  
9 combine the pixel values of visual blocks to create the rebuilt visual frame, apply a  
10 median-value-filtering procedure upon the rebuilt visual frame, and apply a spatial  
11 low-pass filtering procedure upon the rebuilt visual frame, which has undergone  
12 the previous procedure.